Weekly Report

2017.06.26-2017.07.02

1. This Week

Wavelines

1.Finish the introduction PPT of wavelines system

2.Discuss with Lin Liwen about how to deal with the large-scale case:

- One direct idea is to process the data into the waveline form and then compress it from the data aspect before the visual representation. But we discovered that the actual data processing takes quite a long time when realizing this method. So, our next step is to accelerate the algorithm.

3.Discuss with Prof. Chen about the waveline paper and how to revise it. The next plan is:

- 7.3-7.9: Discuss with Doc. Huang about whether the about-to-do revisions of the system makes sense electrically.
- 7.3-7.20: revise the system, include the topology layout, the clustering method, the re-ranking of the devices and additional interactions.
- 7.10-7.15 & 8.1-8.20: revise the paper writing
- 8.20-8.30: polish the paper and record the video.

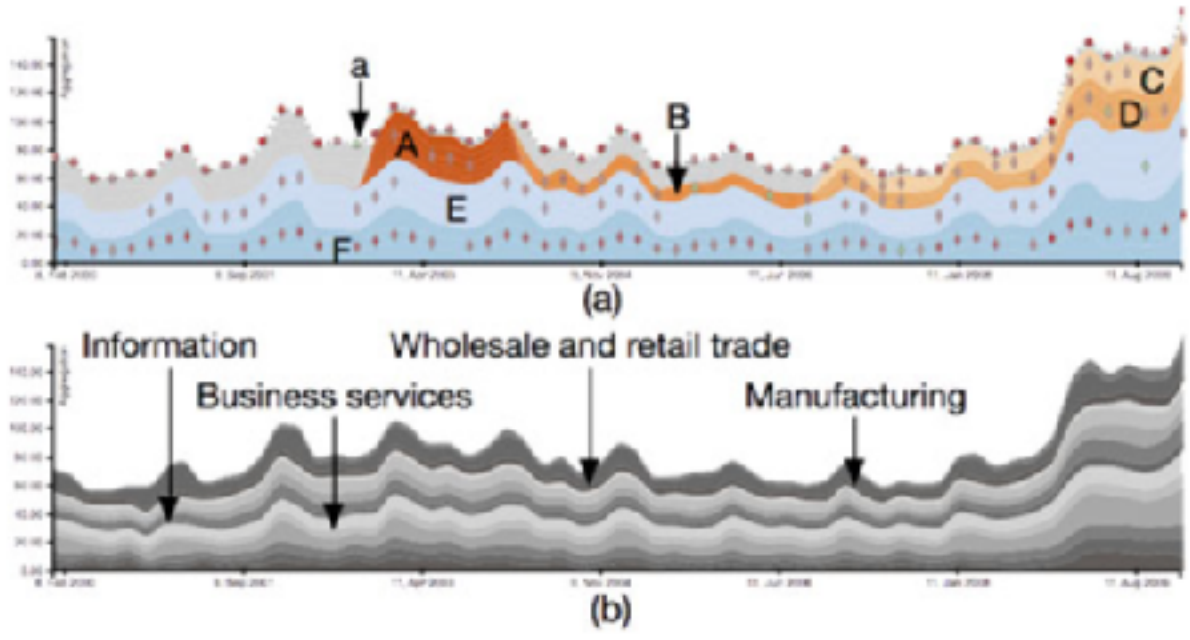
Others

1.Do the seminar courses' projects and prepare for the course presentation

2.Participate the class activities for a whole day

Paper Reading

1.PieceStack: Toward Better Understanding of Stacked Graphs



This paper improves the stacked graph of temporal data according to the proposed three analyze tasks. The major improvement include: 1. embed clusters into the stacked graph; 2. use glyph to encode the relationship between layer-layer, layer-cluster and cluster-cluster. And embed the glyph into the stacked graph; 3. Provide interactions such as brush, choose, and decompose to help user better understand the graph.
To revise the waveline system: Embed the cluster information into the stacked waveline graph.

2. TODO

1.Revise the waveline paper and system